

DOCUMENT RESUME

ED 340 566

SE 050 305

TITLE Using the Newspaper To Reinforce Mathematics Skills.
Minimum Student Performance Standards for Florida
Schools. Grades 3 and 5.

INSTITUTION Palm Beach Newspapers, Inc., West Palm Beach, FL.

SPONS AGENCY Florida Newspaper in Education Coordinators, Inc.,
Jacksonville.

PUB DATE 85

NOTE 52p.; Some graphics may not reproduce well.

AVAILABLE FROM The Palm Beach Post, Educational Services Department,
P.O. Box 24700, West Palm Beach, FL 33416 (\$3.00).

PUB TYPE Guides - Classroom Use - Teaching Guides (For
Teacher) (052)

EDRS PRICE MF01 Plus Postage. PC Not Available from EDRS.

DESCRIPTORS Basic Skills; Computation; *Elementary School
Mathematics; Grade 3; Grade 5; Mathematical
Applications; *Mathematical Concepts; Mathematics;
Mathematics Achievement; Mathematics Instruction;
*Mathematics Materials; *Mathematics Skills; *Minimum
Competencies; *Newspapers

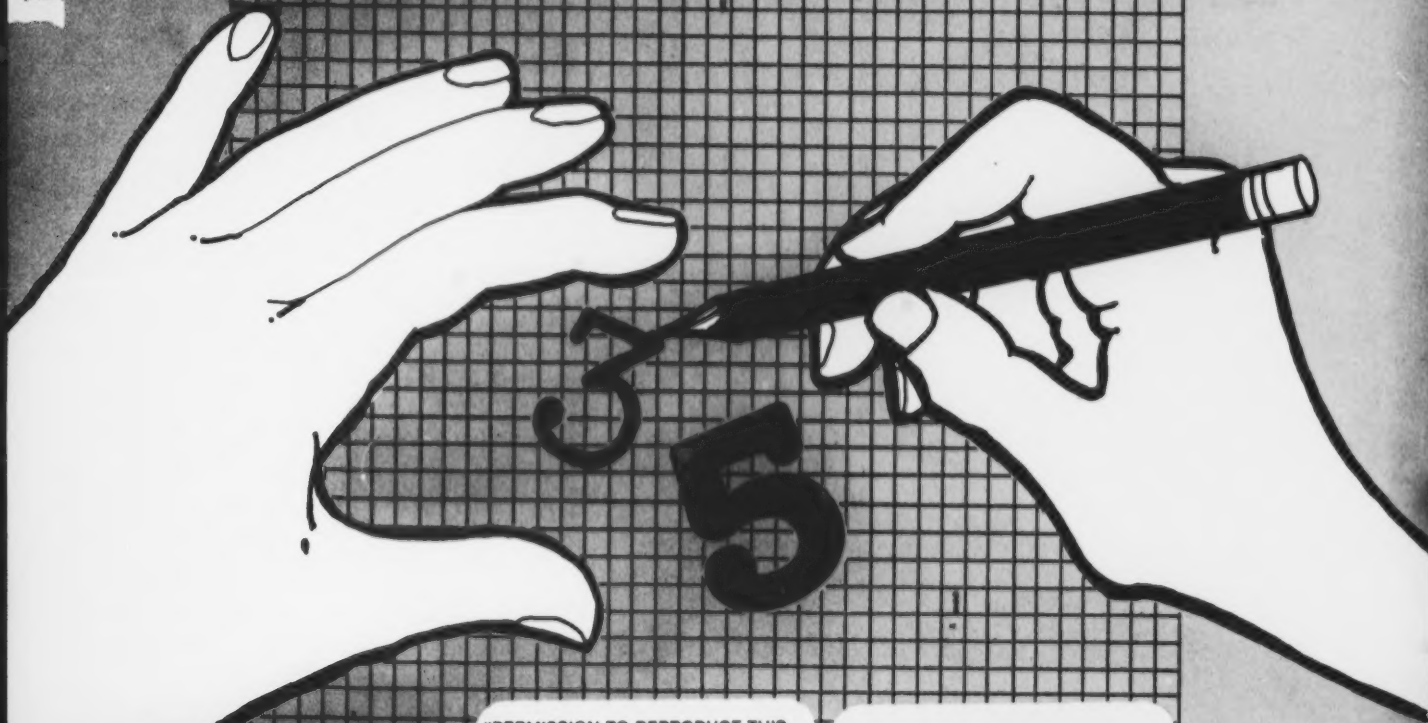
IDENTIFIERS *Florida Minimum Student Performance Standards

ABSTRACT

The newspaper is a familiar tool to many teachers. This book explores another use for the newspaper in the classroom. As an aid in the teaching and remediating of basic mathematics skills, the newspaper adds variety to classroom instruction. The suggested newspaper activities and teaching ideas presented here are specifically designed to reinforce the Minimum Student Performance Standards identified by the Florida Department of Education for grades three and five. Activities included for third grade are: reading and writing numerals; rounding; putting numbers in order; operations of whole numbers; measurement; identifying shapes; and solving money problems. Activities for fifth grade include: reading and writing numerals; rounding; fractions; operations of whole numbers; measurement; real world problems and money problems. The corresponding skill number, needed materials, newspaper activities for skill reinforcement, and an activity sheet are provided in each activity. (YP)

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USING THE NEWSPAPER TO REINFORCE MATHEMATICS SKILLS



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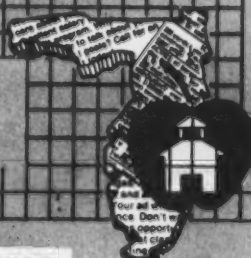
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*Minimum Student Performance
Standards for Florida Schools
Grades 3 and 5



Florida Newspaper
in Education
Coordinators, Inc.

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USING THE NEWSPAPER TO REINFORCE

MATHEMATICS SKILLS

**Minimum Student Performance
Standards for Florida Schools
Grades 3 and 5**

Consultants

Second Edition
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First Edition
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Published by
Palm Beach Newspapers Inc.
West Palm Beach, Florida

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Table of Contents

To the Teacher	v
Grade 3	
Reading and Writing Numerals	3
Putting Numbers in Order	8
Equivalent Fractions	11
Adding Whole Numbers	12
Subtracting Whole Numbers	16
Multiplying Whole Numbers	17
Dividing Whole Numbers	19
Measurement	21
Identifying Shapes	23
Solving Money Problems	25
Grade 5	
Reading and Writing Numerals	29
Rounding Numbers	32
Equivalent Fractions	34
Adding Whole Numbers	36
Subtracting Whole Numbers	38
Multiplying Whole Numbers	40
Dividing Whole Numbers	42
Measurement	43
Solving Real-World Problems	44
Solving Money Problems	46

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Introduction

The newspaper is a familiar tool to many teachers. This book explores another use of the newspaper in the classroom. As an aid in the teaching and remediating of basic mathematics skills, the newspaper adds variety to classroom instruction. The suggested newspaper activities and teaching ideas presented here are specifically designed to reinforce the Minimum Student Performance Standards identified by the Florida Department of Education for grades three and five.

With the growing concern about basic skills, Florida Newspaper In Education Coordinators, Inc. realizes the need for current, relevant teaching materials. We have published this book to provide educators with another resource to reinforce the minimum student performance standards required by the Florida State Department of Education.

We encourage teachers to reproduce the Student Activity Sheets for classroom use.

For further information on Newspaper In Education programs contact: **FNIEC, Inc., P.O. Box 1949-F, Jacksonville, Florida, 32231.**

Message to the Teacher

Many teachers have taught a unit on the use of the newspaper and its components. This book approaches the use of the newspaper from another view. Organized by state standards, the suggested activities directly address the mathematics skills through the use of the newspaper. Ideally, students' skill proficiency and familiarity with the newspaper are increased simultaneously.

For each math skill or set of skills, sample teaching ideas are given. Where needed the student activity sheet follows the skill sheet. Each activity sheet is coded in the upper right hand corner with the standard, skill and grade designation.

Some of the suggested activities require the student to answer questions while searching his newspaper. Others require the teacher to select various articles and advertisements for student use. Items needed for the activities are listed under the Materials Needed section of the skill sheet. An attempt was made to strike a balance between those activities for which the student works in the newspaper and those for which isolated articles and advertisements are used.



Grade 3
Minimum Performance Standard A
Skill #1

Standard A

The student will read and write numerals.

Skill #1

Count the number of objects in a set of less than 100 objects.

Materials Needed

Newspapers
Index cards
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. In the weather section of your newspaper, find the chart that lists the temperatures for major cities. Count all of the cities in this chart, then count all of the cities that begin with the letters A, B, D, E, and F.
2. Using the front page of the newspaper count: the number of columns, the number of headlines, and the number of stories.
3. Have students find, cut and mount similar items on 5" x 8" cards to make a deck of cards that have sets of varying numbers. Have them write the number of items in their set on the back of the cards. Place the cards in a learning center so that a student may challenge his own or a partner's knowledge of sets during spare moments of the day.

Grade 3
Minimum Performance Standard A
Skill #2

Standard A

The student will read and write numerals.

Skill #2

Read and write the numeral for any given whole number less than 100.

Materials Needed

Newspapers
Student activity sheet A-2, Grade 3
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. Using the sports section of the newspaper, locate and write the highest and lowest score for your local high school's athletic team.
2. Using the number chart on the activity sheet find, cut and paste all of the numerals from 1 to 100 in their proper spaces.

STUDENT ACTIVITY SHEET

Reading and Writing Numerals

Directions: Find, cut and paste the numbers needed to complete this chart.

			4						
41									
				65					

Grade 3
Minimum Performance Standard A
Skill #3

Standard A

The student will read and write numerals.

Skill #3

Read and write word names for whole numbers less than 10.

Materials Needed

Newspapers

Student activity sheet A-3, Grade 3

Newspaper Activities for Skill Reinforcement

1. Distribute copies of the activity sheet. Have students write the word name for the numeral in the 2nd column and mount examples of whole numbers and their word names in the 3rd column.
2. Which number did your newspaper use most often as a word?
3. Which number did your newspaper use least often as a word?

STUDENT ACTIVITY SHEET

Reading and Writing Numerals

Directions: Say the number in column one to yourself and write its name. Cut and paste the numbers and their word names from the newspaper.

0		
1		
2		
3		
4		
5		
6		
7	SEVEN	7, seven SEVEN
8		
9		

Grade 3
Minimum Performance Standard C
Skill #18

Standard C

The student will put numbers in order.

Skill #18

Identify the smaller or larger of any two given whole numbers less than 20.

Materials Needed

Newspapers
Tagboard
Paper bag
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. Using the entire newspaper, find the page number on which the editorials are printed. Now, find the page number for the TV listings. Of the two page numbers, which is smaller?
2. Find, cut and paste thirty or forty whole numbers less than 20 on 3" x 3" pieces of tagboard. Place them in a container. With a small group, have students select two cards and have them identify which is smaller and which is larger. Have students discuss their answers.

Grade 3
Minimum Performance Standard C
Skill #19

Standard C

The student will put numbers in order.

Skill #19

Write the numeral that comes just before, just after, or between given whole numbers less than 100.

Materials Needed

Newspapers
Student activity sheet C-19, Grade 3
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. How many numbers can you find less than 100 that will fit in the blank spaces on the activity sheet. Cut these numbers out and paste them on the activity sheet in the proper place.
2. Use the newspaper to find the number of pages between the last page of the front section and page on which the TV listings are printed. Then, write each of these numerals.

STUDENT ACTIVITY SHEET

Putting Numbers in Order

Directions: Cut and paste numbers from the newspaper that would fit correctly in the spaces.

21 22 23

31 _____

18 _____ 20 _____

16 _____

_____ 41 _____

_____ 70 _____

_____ 89 _____

_____ 38 _____

_____ 25 _____

_____ **0** _____ 1 _____

52 _____ 54 _____ 56 _____

_____ 18 _____

_____ 61 _____

7 _____ 9 _____

_____ 69 _____

Grade 3
Minimum Performance Standard D
Skill #25

Standard D

The student will determine equivalent forms of fractions, decimals, and percents.

Skill #25

Identify one-half, one-third, or one-fourth of a given region.

Materials Needed

Newspapers
Marking pens
Scissors
Glue
Construction paper

Newspaper Activities for Skill Reinforcement

1. Using the weather section of your newspaper, find the national weather map. Locate the southern half of the nation on the map and make a list of the cities you think are in this half.
2. Direct the students to select a picture of a person or thing that interests them and have them cut it in half. Have them mount one half of the picture on construction paper and draw in the other half.
3. Give each child a page from the stock market section (this makes a nice background) and have them fold it so that it is divided into fourths. Have them cut the paper along the folds so that they will then have four pieces of newspaper. Next, have them draw a circle on one piece, a triangle, rectangle and square on the others. You may want to illustrate each step as you progress through this lesson.

Ask them to draw a vertical line through the center of the triangle to divide it into halves. Draw two lines through the rectangle to divide it into thirds and show them how to use a vertical and a horizontal line to divide the circle and square into fourths.

Have them label each part with the proper fraction; $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, in large print. Last, have them cut them apart and keep them for a reference set of materials.

This is a great activity for the kinesthetic learner because he gets physically involved with what is being taught. It also reinforces Standard N, Skill 98.

Grade 3
Minimum Performance Standard E
Skill #35

Standard E

The student will add whole numbers.

Skill #35

Add two 1-digit numbers (basic facts) given in vertical and horizontal notation.

Materials Needed

Newspapers
Index cards
Paper bag
Scratch paper
Student activity sheet E-35, Grade 3
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. Have each student find, cut and paste ten 1-digit numbers on 3" x 5" cards that have been cut in half. Place the cards in a bag. Have several students select two of the cards from the bag. Using the numbers they selected, have them write a problem on the chalkboard in horizontal and vertical form and solve it. Have the students at their desks working them out on scratch paper and giving suggestions if the board work is incorrect. This activity can be modified to use two digit numbers also.
2. On the student activity sheet, have students find, cut and paste numbers from the newspaper that would add up to the answer provided in each problem.

STUDENT ACTIVITY SHEET

Adding Whole Numbers

Directions: Find, cut and paste numbers that would add up to the answers.

$$\begin{array}{r} \square \\ + \square \\ \hline 3 \end{array}$$

$$\boxed{7} + \boxed{9} = 16$$

$$\begin{array}{r} \square \\ + \square \\ \hline 11 \end{array}$$

$$\square + \square = 8$$

$$\begin{array}{r} \square \\ + \square \\ \hline 9 \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline 15 \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline 12 \end{array}$$

$$\square + \square = 18$$

$$\square + \square \square = 13$$

$$\begin{array}{r} \square \\ + \square \\ \hline 7 \end{array}$$

Grade 3
Minimum Performance Standard E
Skill #36

Standard E

The student will add whole numbers.

Skill #36

Add three 1-digit numbers, sums through 18, given in vertical and horizontal notation.

Materials Needed

Newspapers
Tagboard
Ruler
Marking pen
Student activity sheet E-36, Grade 3
Scratch paper
Scissors
Glue
Markers

Newspaper Activities for Skill Reinforcement

1. **Number Bingo** - This is an activity that can be done over the course of a few days. First prepare a Bingo card for each child, using tagboard and ruling off the correct number of squares. (The students could do this themselves.) Have them fill the card with numbers from 1 to 18, pasting them randomly on the board. The game is played by the teacher holding up a large card with an addition problem on it involving three 1-digit numbers written in either vertical or horizontal notation. The students may then work out these problems using scratch pads and if they have the correct answer on their Bingo card, place a marker on it. The rules of Bingo apply, the first one to get a straight row of numbers wins.

Note: Because 24 spaces must be filled on the Bingo card, duplication of six numbers will be necessary.

STUDENT ACTIVITY SHEET

Adding Whole Numbers

Directions:

Cut out and paste numbers from 1 to 18 to fill your bingo board. Your teacher will hold up a math problem that you must solve on the scratch paper. If you find the answer on your bingo card, cover it with a marker. The first to get bingo wins.

				13
	3	FREE 		

Note: Because 24 spaces must be filled on the Bingo Card, duplication of six numbers will be necessary.

Grade 3
Minimum Performance Standard F
Skill #44, 45, 46

Standard F

The student will subtract whole numbers.

Skill #44

Subtract basic facts, sums through 18, given in vertical and horizontal notation.

Skill #45

Subtract a 1-digit number from a 2-digit number, without regrouping, given in vertical and horizontal notation.

Skill #46

Subtract two 2-digit numbers, without regrouping, given in vertical and horizontal notation.

Materials Needed

Newspapers
Tagboard
Scissors
Glue

Newspaper Activities for Skill Reinforcement

1. Using the weather section of the newspaper, find the high and low temperatures for your area. Determine the number of degrees of difference between the high and the low.
2. Make a deck of cards using tagboard and numbers from 1 to 18 which have been cut from the newspaper. (A deck of 52, with some of them being blanks.) The children take turns choosing two cards, and if by chance they choose a blank, they lose that turn which adds a degree of excitement to the game. The task is to subtract the smaller from the larger number. For having the correct answer, they keep the cards. When the entire deck has been used, the child having the greatest number of cards wins the game.
3. Using tagboard and numbers cut from the newspaper, make a set of subtraction problem cards involving subtracting 1-digit numbers from 2-digit numbers written in both horizontal and vertical notation. The child gets to keep the card if he solves the problem correctly. The game is played exactly as noted in activity 2.

Grade 3
Minimum Performance Standard G
Skill #52

Standard G

The student will multiply whole numbers.

Skill #52

Determine the total number of objects when given sets of equal amounts, total not exceeding 12.

Materials Needed

Newspapers
Student activity sheet G-52, Grade 3
Index cards
Scissors
Glue

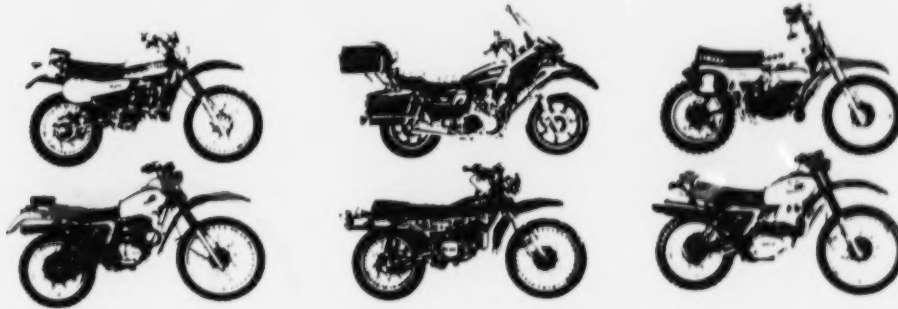
Newspaper Activities for Skill Reinforcement

1. Using the sample student activity sheet, find, cut and paste similar items of no more than 12 objects and group them into equal sets. Determine the total number of objects.
2. Have the class make their own deck of flash cards. Cut and mount onto 5"x 8" cards, equal sets of no more than 12 similar objects. Listed below are some suggested sets of objects which can be easily found in the newspaper.
 - a. Seven items that could be used to decorate a bedroom.
 - b. Nine foods to make a balanced meal for a family.
 - c. Eleven automobiles
 - d. Three men of importance.
 - e. Twelve items to care for your lawn or garden.
 - f. Four advertisements for employing a secretary.
 - g. Five sports players.
 - h. Two bicycles.

STUDENT ACTIVITY SHEET

Multiplying Whole Numbers

Directions: Find, cut and paste similar sets of items as shown below. They can not add up to more than 12.



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Do one to share with the class.

Examples of sets: Fruit, cars, chairs, faces, balls, etc.

Grade 3
Minimum Performance Standard H
Skill #57

Standard H

The student will divide whole numbers.

Skill #57

Group 12 or fewer objects into sets of equal amounts (no remainders).

Materials Needed

Newspapers
Student activity sheet H-57, Grade 3
Scissors
Glue
Index cards

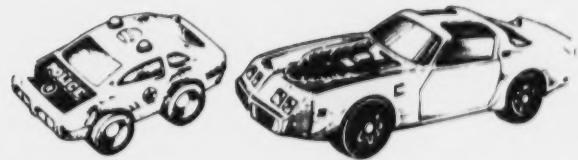
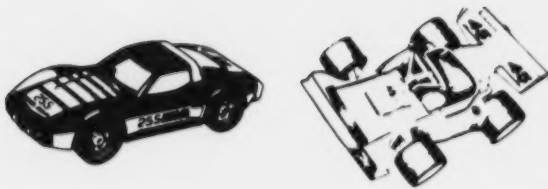
Newspaper Activities for Skill Reinforcement

1. Find, cut and paste similar objects (no more than 12) onto the activity sheet provided. Make sure the number you select can be divided equally into sets by the number of lines provided.
2. Use the flash cards prepared for Standard G, Skill 52 or prepare a deck of "set" flash cards by finding, cutting and pasting similar objects (no more than 12) onto 5" x 8" cards. Using the cards as a teaching tool, show one at a time to a group of students and let them decide how many different combinations of sets can be derived from them.

STUDENT ACTIVITY SHEET

Dividing Whole Numbers

Directions: Find, cut and paste similar objects (no more than 12) onto the activity sheet. Make sure the number you select can be divided equally into sets by the number of lines provided.



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____

Do one to share with the class.

Examples of sets: Fruit, cars, chairs, balls, etc.

Grade 3
Minimum Performance Standard M
Skill #83, 84

Standard M

The student will measure time, temperature, distance, capacity and mass/weight.

Skill #83

Select a clock that shows a stated time on the hour and half hour.

Skill #84

Use a given unit of measurement (inch, centimeter, nonstandard) to determine the length of an object in whole units.

Materials Needed

Newspapers
Student activity sheet M-83, Grade 3
Scissors
Glue
Ruler

Newspaper Activities for Skill Reinforcement

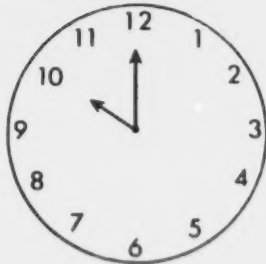
1. Have students find, cut and paste the names of the days of the week inside the shapes already provided on the activity sheet.
2. Using the TV section from the newspaper, have students find, cut, and paste the names of the programs they like to watch for each day of the week. List the time and channel for each. Then, have the students list 3 different programs for the time shown on each of the clocks on the activity sheet. They should also write in the time shown on each clock face.
3. Have students measure the following in inches: the length and width of the front page, a column of print and a photo.
4. Have students measure the following in centimeters: the horoscope listings, the first picture on the front page and the "Letters to the Editor" section.
5. Have the students cut out a photograph from the front page of the newspaper and use the photograph to measure the length and width of different pages of the newspaper. (Example: Page 3 is 10 photos long and 6 photos wide.)

STUDENT ACTIVITY SHEET

Telling Time

Directions: List three TV programs at the times shown on the clocks. Be sure to list the channels.

Sunday A.M.

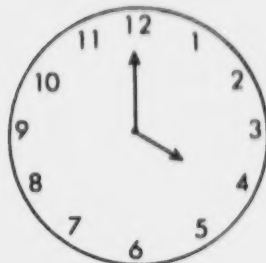


Channel _____

Channel _____

Channel _____

Tuesday P.M.

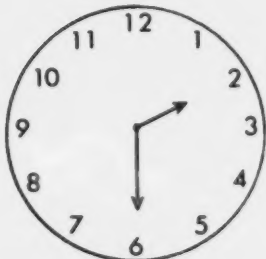


Channel _____

Channel _____

Channel _____

Thursday P.M.

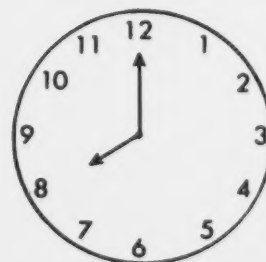


Channel _____

Channel _____

Channel _____

Saturday A.M.



Channel _____

Channel _____

Channel _____

Grade 3
Minimum Performance Standard N
Skill #98

Standard N

The student will identify geometric figures and shapes.

Skill #98

Identify a circle, square, rectangle and triangle.

Materials Needed

Newspapers
Scissors
Glue
Marking pens
Student activity sheet N-98, Grade 3

Newspaper Activities for Skill Reinforcement

1. Find and cut out various shapes from the newspaper to make a picture scene. (Example: a square for a house, a triangle for its roof, a rectangle for a car and circles for its wheels.) Draw in background (clouds, trees, etc.) with markers or crayons.
2. Make Mr. Robot...using the stock market page of the newspaper, have students draw the shapes as shown on the activity page. They may arrange, and mount these shapes to fashion their own Mr. Robot, after they have cut them out. Have them use patterns of various sizes to outline the shapes before cutting.
3. Draw a large circle, square, triangle, and rectangle on full newspaper pages. Label them and place on a bulletin board. have the students find and cut out objects from the newspaper of the same shapes (Example: Ball = circle, book = rectangle, etc.). Have them label each one with the name of the shape as well as their own name. Staple these to the large shape on the bulletin board. This will produce a "Collage of Shapes" for the class to be proud of!

STUDENT ACTIVITY SHEET

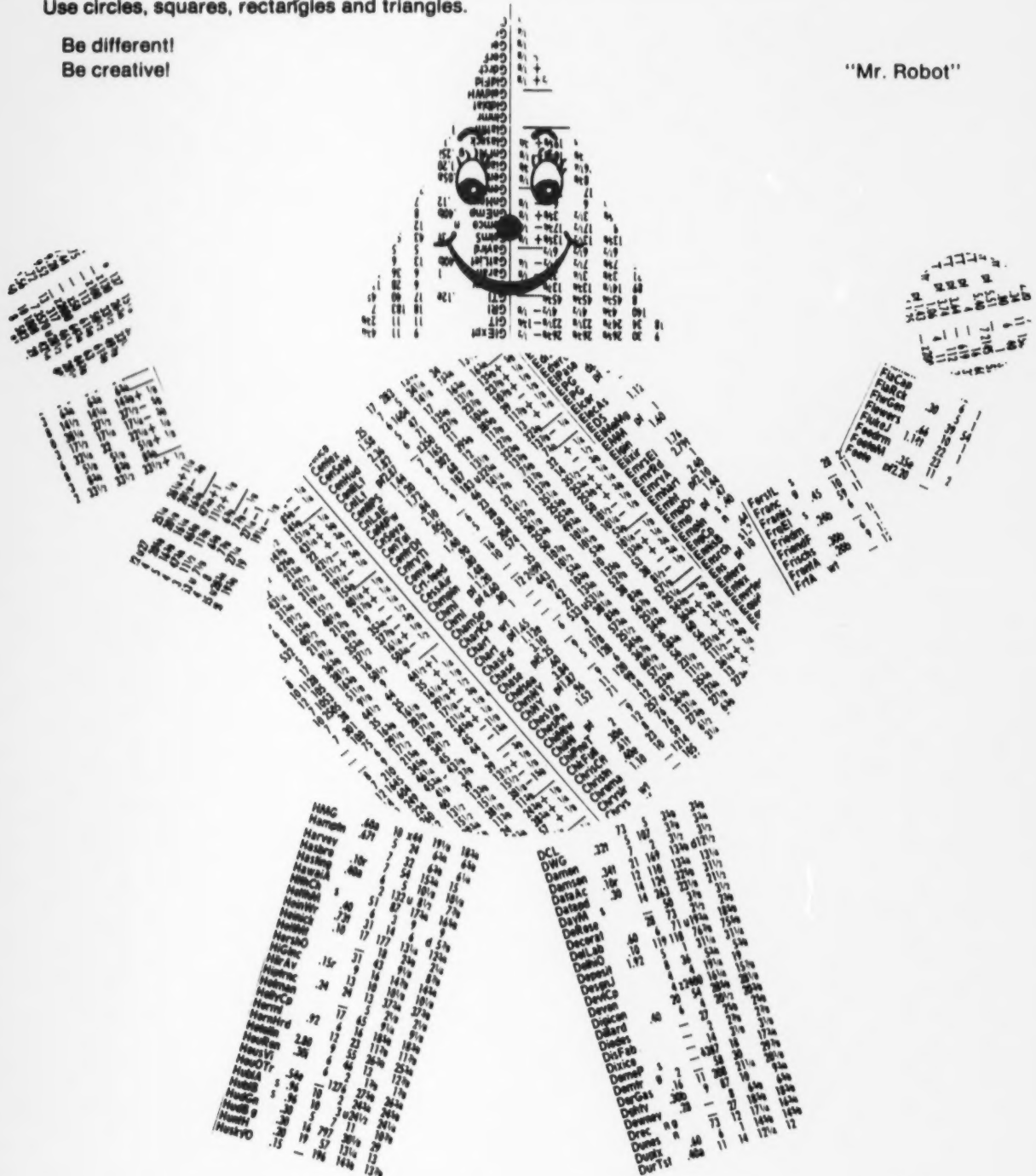
Identifying Shapes

Directions: Shape up - make your own Mr. Robot.

Use circles, squares, rectangles and triangles.

Be different!
Be creative!

"Mr. Robot"



Grade 3
Minimum Performance Standard S
Skill # 123,124

Standard S

The student will solve money problems.

Skill #123

Use addition, without regrouping, to solve real-world problems involving two purchases totaling no more than 50¢.

Skill #124

Use subtraction, without regrouping, to solve real-world problems involving no more than 50¢.

Materials Needed

Newspapers
Scissors
Glue
File folders
Student activity sheet S-123, 124, Grade 3

Newspaper Activities for Skill Reinforcement

1. Using all of the advertisements in the newspaper, make a list of twenty items that are priced under 50¢.
2. From this list of twenty items, select two items that you would like to purchase that would total to no more than 50¢.
3. How many different sets of two items could you purchase?
4. Find, cut, and paste two items on a file folder that total less than 50¢. The object is to have the students subtract these prices from 50¢. Place the answers on the back of the folder so that the child can self-check his work.
5. Use newspaper advertising supplements and grocery store ads to solve the money problems on the student activity sheet.

STUDENT ACTIVITY SHEET

Solving Money Problems

Directions: Cut out two items totaling less than 50¢ and paste them in the "Items Bought" box. Add the cost of the two items and put the answer in "Your Cost" box. Find the amount of change you will receive from 50¢ and put your answer in the "Change" box.

Items Bought		Your Cost	Change from 50¢
1 LB. BAG NUTRITION FILLED Florida Carrots BAG 25¢ SOLID NUTRITIOUS GREEN Florida Cabbage LB. 12¢	=	37	13
	=		
	=		
	=		

Suggestion: Use newspaper supplements or grocery ads for a source of materials.



Grade 5
Minimum Performance Standard A
Skill #4

Standard A

The student will read and write numerals.

Skill #4

Count the number of objects in a set of less than 1000 objects.

Materials Needed

Newspapers

Newspaper Activities for Skill Reinforcement

1. Have students use the business section of the newspaper and locate the Mutual Funds listings. Ask them to count the number of funds listed in this section.
2. Grocery store ads provide another good source for counting of objects in a set. As a point of reference, have students find the advertisements for the store that they most often frequent and count the number of items listed in that advertisement.

Grade 5
Minimum Performance Standard A
Skill #5, 6, 7

Standard A

The student will read and write numerals.

Skill #5

Read and write the numerals for any given whole number less than 10,000.

Skill #6

Read and write word names for whole numbers less than 20 and multiples of 10 through 100.

Skill #7

Read and write, in numerals, money values through five dollars.

Materials Needed

Newspapers

Student activity sheet A-5, 6, 7, Grade 5

Newspaper Activities for Skill Reinforcement

1. Direct students to the stock market summary column in the newspaper. For the most active stock listings, have students write all of the whole numbers that are less than 10,000.
2. Using one section of the newspaper have students find the numbers 1 through 20 in both numeral and word form. Ask them to note the page number on which they found the number. Then, have them write the word name for the page number.
3. Using the grocery section of the newspaper, have students find the prices for the items listed on the activity sheet. Students are to find the cost of the items and the total for each store. Have them share their answers by having some students complete their work on the blackboard.

STUDENT ACTIVITY SHEET

Money Values

Directions: Using the grocery ads, find the prices for the items listed here. Add them to find the total for each store.



Write the name of a local grocery store here

1 tube toothpaste _____

1 lb. ground beef _____

1 loaf bread _____

1 pkg. paper cups _____

1 box Jello _____

1 box macaroni & cheese _____

1 box spaghetti _____

1 pkg. cookies _____

1 bag fresh carrots _____

1 box toothpicks _____

1 can peaches _____

1 catsup _____

TOTAL _____

TOTAL _____



Write the name of a local grocery store here

**COMPARE
PRICES**

1 pkg. hot dogs _____

1 pkg. hot dogs _____

1 pkg. hot dog buns _____

1 pkg. hot dog buns _____

1 bag potato chips _____

1 bag potato chips _____

1 can soft drink _____

1 can soft drink _____

1 qt. orange juice _____

1 qt. orange juice _____

1 bar soap _____

1 bar soap _____

TOTAL _____

TOTAL _____

Grade 5
Minimum Performance Standard B
Skill #13

Standard B

The student will round numbers.

Skill #13

Round a whole number less than 100 to the nearest ten.

Materials Needed

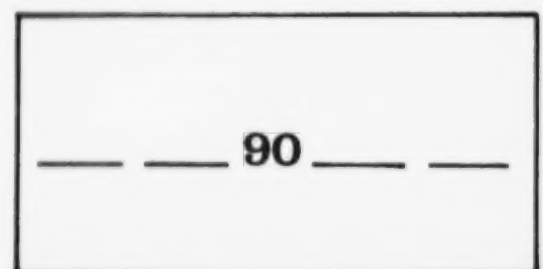
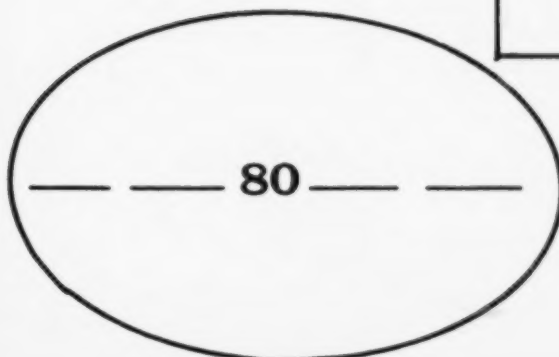
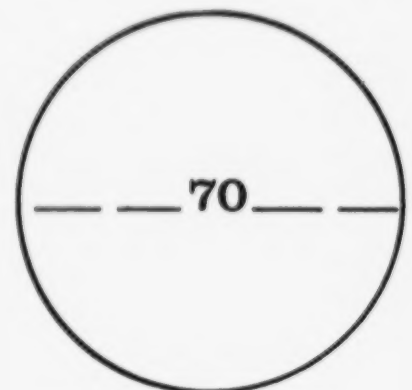
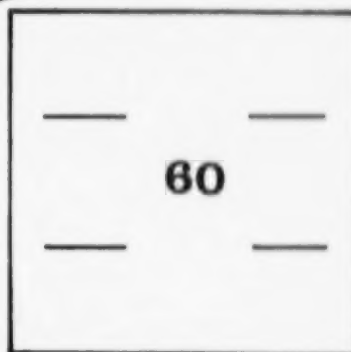
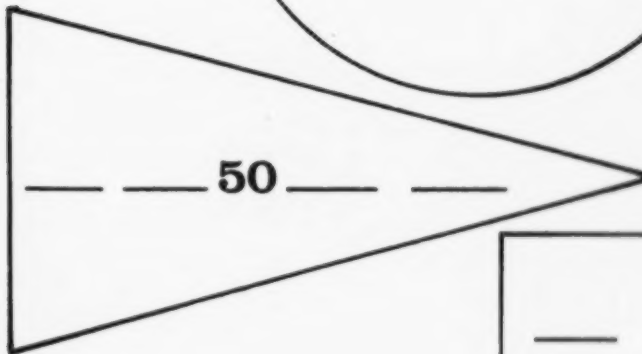
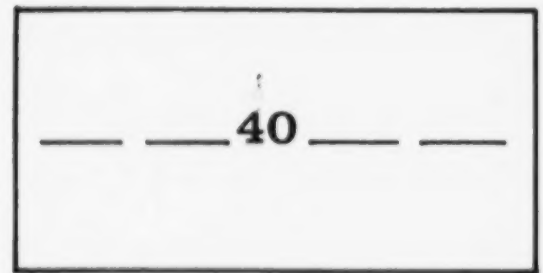
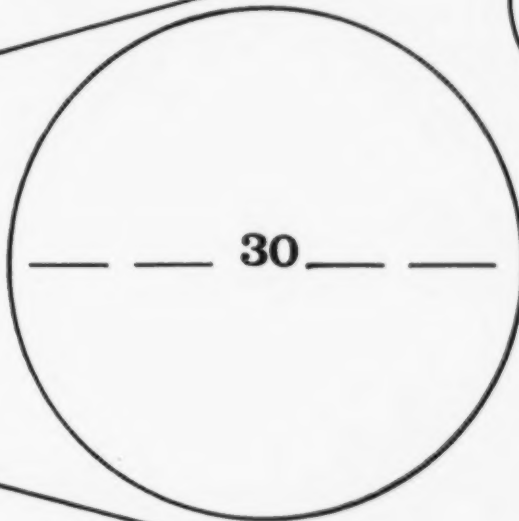
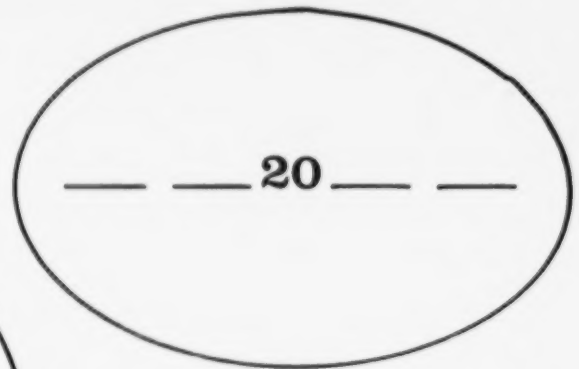
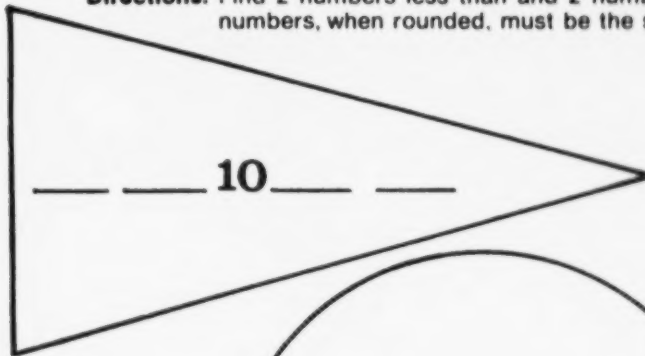
Newspapers
Student activity sheet B-13, Grade 5
Scissors
Glue
Blank pieces of paper

Newspaper Activities for Skill Reinforcement

1. Have students find, cut and paste 25 whole numbers less than 100 on a separate piece of paper. Next to each number round those numbers to the closest multiple of 10.
2. Collect each of the students papers and randomly pass them out to other members of the class. Let each student check the paper for errors and make corrections where necessary, then, return them to their original owners.
3. On the student activity sheet, ask students to find 2 numbers that are less than and 2 numbers that are greater than the number in the shape. These numbers when rounded, must be the same as the imprinted number in the shape.

STUDENT ACTIVITY SHEET**Rounding Whole Numbers**

Directions: Find 2 numbers less than and 2 numbers greater than the number in the shape. These numbers, when rounded, must be the same as the number appearing in the shape.



Grade 5
Minimum Performance Standard D
Skill #26, 27

Standard D

The student will determine equivalent forms of fractions, decimals, and percents.

Skill #26

Identify equivalent fractional parts of regions that have been separated into halves, fourths and fifths.

Skill #27

Identify one-half, one-third, or one-fourth of a set having no more than 12 objects, with no remainder.

Materials Needed

Newspapers
Student activity sheet D-26, 27, Grade 5
Scissors
Glue
Marking pens or crayons

Newspaper Activities for Skill Reinforcement

1. In the boxes on the activity sheet, have students find, cut and paste sets of items containing no more than 12 objects. Instruct them to draw a circle in one of the boxes around half of the objects. In the other box draw a circle around a third of the objects and in the other around one-fourth of the objects, with no remainders. (Example: In a set of 6 objects, the student would be able to identify one-third or one-half of the set, but not one-fourth of this set because there would be a remainder.)
2. Using a sheet of newspaper to represent a whole unit and a felt-tip marker or crayon, ask members of the class to divide sheets into halves, fourths, fifths, eighths and tenths and label each part. Since the newspaper can be divided into these fractional parts differently encourage students to explore unique possibilities.
 - This activity can be conducted over a week's period of time. On Monday have students find patterns for halves, Tuesday - fourths, Wednesday - fifths, Thursday - eighths and Friday - tenths. This schedule will enable you to progress from the easiest to the more difficult fractional representations.

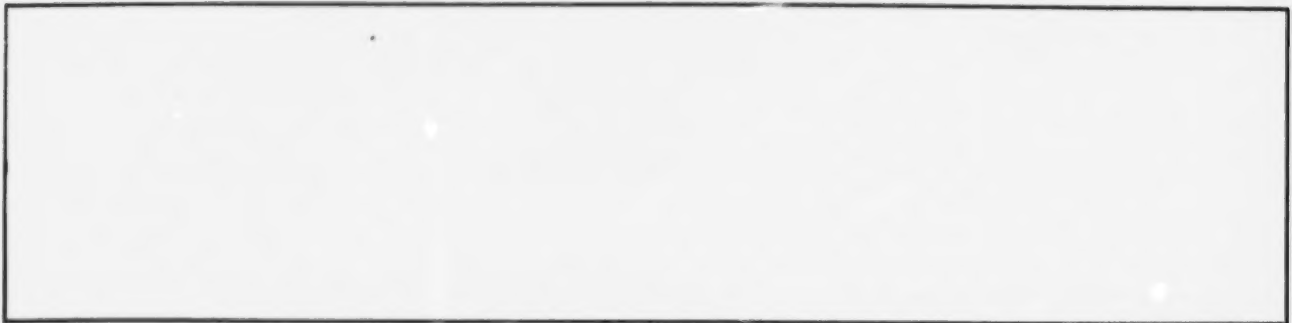
STUDENT ACTIVITY SHEET

Equivalent Fractions

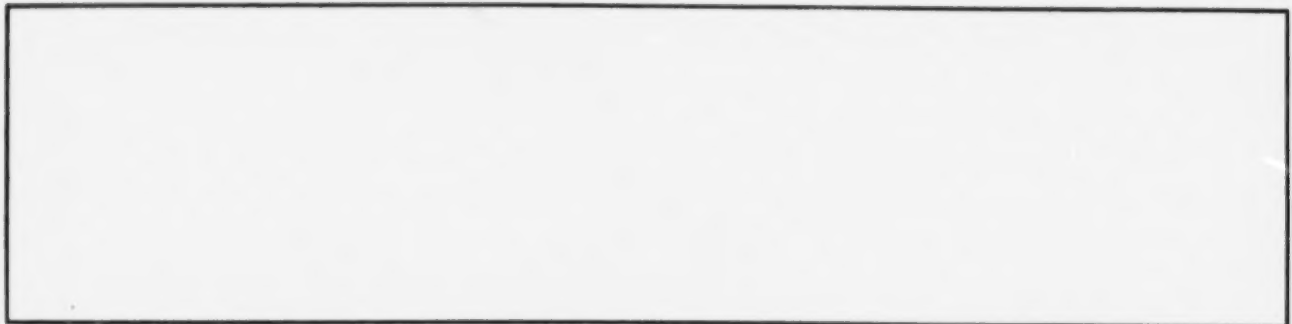
Directions: Find, cut and paste sets of items in the boxes below, using sets that when divided will have no remainders. Follow the directions below each box to complete the activity.



a. Circle $\frac{1}{2}$ of the set.



b. Circle $\frac{1}{3}$ of the set



c. Circle $\frac{1}{4}$ of the set.

Grade 5
Minimum Performance Standard E
Skill #39, 40, 41, 42

Standard E

The student will add whole numbers.

Skill #39

Add three or four 3-digit numbers, given in vertical and horizontal notation without regrouping.

Skill #40

Add a 1-, 2-, or 3-digit number, given in vertical and horizontal notation without regrouping.

Skill #41

Add four 3-digit numbers given in vertical and horizontal notation with regrouping.

Skill #42

Add a 1-, 2-, or 3-digit number to a 3-digit number, given in vertical and horizontal notation with regrouping.

Materials Needed

Newspapers
Scissors
Glue
Construction paper
Paper bags

NOTE: Unless you very carefully select the numbers for these activities there may be some regrouping, or more regrouping than your students can handle, if so you may want to hold these activities to use at a later date. These activities may also be used to challenge your more advanced students.

Newspaper Activities for Skill Reinforcement

1. Divide the class into groups and assign each a column of the stock listings in the newspaper. Have each group add together the whole numbers shown for the listings. Then, as a class, find the total for all of the columns.
2. Have each student find, cut and paste five 1-, 2-, or 3-digit numbers on 2" by 2" pieces of construction paper. Collect all of the papers and place half of them in one bag and half in another bag. Divide the class into an even number of groups (4 or 6). On a signal have two of the groups compete by randomly choosing 3 cards and correctly solving the problem on the chalkboard.

Grade 5
Minimum Performance Standard F
Skill #47, 48, 49, 50

Standard F

The student will subtract whole numbers.

Skill #47

Subtract two 2-digit numbers given in vertical and horizontal notation with regrouping.

Skill #48

Subtract two 3-digit numbers given in vertical and horizontal notation with only one regrouping.

Skill #49

Subtract two 4-digit numbers given in vertical and horizontal notation without regrouping.

Skill #50

Subtract two 4-digit numbers given in vertical and horizontal notation with only one regrouping.

Materials Needed

Newspapers

Student activity sheet F-47, 48, 49, 50, Grade 5

NOTE: Unless you very carefully select the numbers for these activities there may be some regrouping, or more regrouping than your students can handle, if so you may want to hold these activities to use at a later date. These activities may also be used to challenge your more advanced students.

Newspaper Activities for Skill Reinforcement

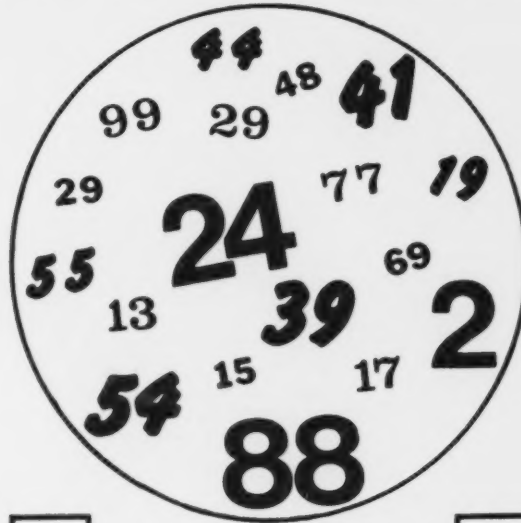
1. Have students find twenty 2-digit numbers in the newspaper and write the numbers and the page numbers on which they found them. Ask students to construct 20 subtraction problems using the 2-digit numbers. (99 - 10) Then, have students use the list of page numbers to construct as many 2-digit subtraction problems as possible.
2. Using the classified section of the newspaper, have students find the price of used car that they would like to own. Then, have them find the price of any other model car for that same year. What is the difference between the price of the cars? Which is more?
3. For a different format for a page of subtraction problems, have students complete the activity sheet by trying to select the correct numbers to be placed in the blank spaces of the problems from the scrambled numbers in the circle. To do this they will have to try many combinations on scratch paper. You may want them to work in pairs. Have each student try to make two problems to challenge a friend.

STUDENT ACTIVITY SHEET

Subtraction

Directions:

There are at least six subtraction problems scrambled in this circle. Can you find them?



$$\square - \square = \square$$

$$\square - \square = \square$$

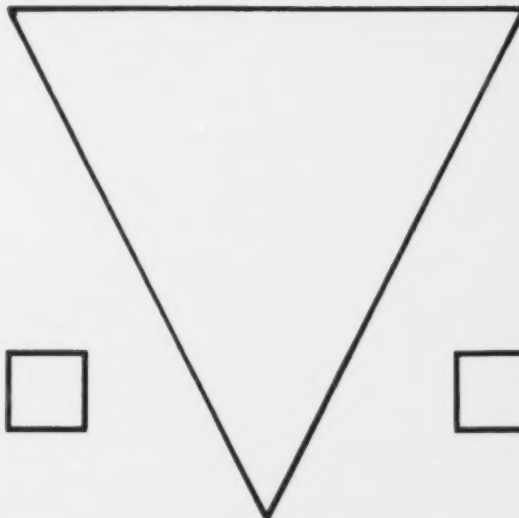
$$\square - \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

Find, cut and paste two
scrambled subtraction
problems to share with
a friend.



$$\square - \square = \square$$

$$\square - \square = \square$$

Grade 5
Minimum Performance Standard G
Skill #53, 54

Standard G

The student will multiply whole numbers.

Skill #53

Write basic multiplication facts, given in vertical and horizontal notation products through 81.

Skill #54

Multiply a 1-digit and a 2- or 3-digit number, given in vertical and horizontal notation.

Materials Needed

Newspapers
Scissors
Glue
Student activity sheet G-53, 54, Grade 5
Index cards
Marking pens
Clear contact paper

Newspaper Activities for Skill Reinforcement

1. Using the entire newspaper, have students find the prices for 10 items which are less than 31¢. Write these prices on a separate piece of paper and then find the cost for 2, 3, or 4 of these items. *Note: Because of today's living costs, some of the items in this activity may be difficult to find. You may want to increase the multiplication fact products to facilitate this activity.*
2. Have students cut and paste any whole numbers less than 81 onto the Bingo card on the student activity sheet. Hold up large multiplication facts cards or write the problems on the blackboard and say the problem. Students are to cover numbers on their Bingo cards if the numbers on their cards are the correct answers to the problems. The rules of Bingo apply.
3. Students can make their own set of multiplication facts on index cards by cutting all of the numbers from the newspaper. (Example: $3 \times 3 = ?$) The answers can be put on the back of the cards and clear contact paper can be placed on the cards to preserve them.

STUDENT ACTIVITY SHEET

Multiplication

Directions: Find, cut and paste numbers not greater than 81 and mount them in each square on the Bingo Board.

Now, let's play Multiplication Bingo.

		FREE		

Grade 5
Minimum Performance Standard H
Skill #58, 59

Standard H

The student will divide whole numbers.

Skill #58

Write basic division facts, products through 81, using $\overline{)}$ or $\div$.

Skill #59

Divide a 2- or 3-digit number by a 1-digit number with remainder zero, without regrouping, using $\overline{)}$ or $\div$.

Materials Needed

Newspapers

Student activity sheet H-58, 59, Grade 5

Newspaper Activities for Skill Reinforcement

1. Have students complete the student activity sheet and then have them find different advertisements from the newspaper that offer a number of items for a specific amount of money and calculate the cost for one item.
2. Have students find advertisements in which items are priced per pound. Have them compute the price of half a pound, a quarter of a pound and the price per ounce.

STUDENT ACTIVITY SHEET

Division

Directions: What would ONE of the items below cost? Write out the problem and solve it.



Kool-Aid
SOFT DRINK MIX
SUGAR SWEETENED
SOFT DRINK MIX

3 FOR 99¢

_____ ÷ _____ = _____
cost of 1



Sauce and Gravy Mix

McCormick mixes.
Assorted flavors.

5 FOR 95¢

_____ cost of 1



Sale Price

2 PKGS. 88¢

Curity Cotton Balls
Pkg. of 300 soft, absorbent
puffs; for make-up, baby care.

_____ cost of 1



Limit 2 pkgs.

Sale Price

4 Bar Pkg. 88¢

Cashmere Bouquet Soap
Mild, fragrant 5 oz. bath bar.

_____ ÷ _____ = _____
cost of 1

Grade 5
Minimum Performance Standard M
Skill #85, 87, 88

Standard M

The student will measure time, temperature, distance, capacity, and mass / weight.

Skill #85

State the months of the year in consecutive order.

Skill #87

Tell time on the hour, half-hour, quarter-hour, and in minutes.

Skill #88

Determine length, width or height by measuring objects with centimeters, meters, inches, feet or yards.

Materials Needed

Newspapers
Rulers

Newspaper Activities for Skill Reinforcement

1. Discuss with students the section of the front page of the newspaper that indicates the publication information (the month, day and year that the paper was published), the number of pages in the paper and the price per copy. Have students keep a chart of the number of pages on each of the days of the week. Discuss with the class which day(s) of the week had the most and least pages and the possible reasons for the fluctuation in size.
2. Using the TV section of the newspaper, have students select some programs they would like to watch. Have them record when the programs begin and end, the names of the programs, and the total time (hours and minutes) of TV watched.
3. Have students measure the following: the length and width of the front page, a column of print and a photograph. Measure each of the items in centimeters, inches, meters, feet or yards.

Grade 5
Minimum Performance Standard Q
Skill # 110, 111, 112

Standard Q

The student will solve real-world problems involving whole numbers.

Skill # 110

Solve real-world problems involving addition of three 3-digit numbers, with no more than one regrouping.

Skill # 111

Solve real-world problems involving subtraction of two 3-digit numbers, with no more than one regrouping.

Skill # 112

Solve one step real-world problems involving multiplication of a 1-digit number and a 2-digit or 3-digit number.

Materials Needed

Newspapers

Teacher prepared worksheet

Newspaper Activities for Skill Reinforcement

1. The newspaper lends itself to a wide range of materials for developing items for real-world problem solving.

Prepare a worksheet of problems as shown below for this skill and either give it as a classroom assignment or place it in an activity center for students to work on at a prescribed time. It may be interesting to see if some of your students can prepare some of these one-step real-world problems to share with each other or the class.

It might be fun to have three volunteers compete against each other to see who can solve a problem first at the blackboard. Have the students write the problem on clear acetate so it can be used on an overhead projector and projected on a screen for the contestants to refer to as they work it out.

Sample Problems

Sports section: Addition Skill 110

Last Saturday, a 6.2 mile run was held in Town and Country. 125 runners were under thirty years of age, 243 were between thirty and forty and, 367 were older. How many ran in the race?

Entertainment section: Subtraction Skill 111

The play at the Ritz was attended by 346 people. The theatre can seat 528. How many seats were left empty?

Human Interest Stories: Multiplication Skill 112

St. John's Boy Scout troop had a successful donut sale. The nine Boy Scouts sold 65 boxes of donuts each. How many boxes did they sell all together?

Grade 5
Minimum Performance Standard S
Skill # 125, 126

Standard S

The student will solve money problems.

Skill # 125

Determine equivalent amounts of up to five dollars using coins and paper currency.

Skill # 126

Determine the change to be received from a one dollar bill after the purchase of three items.

Materials Needed

Newspapers
Grocery ads
Sunday supplement ads
Scissors
Glue
Coin stamps
Paper currency stamps
Student activity sheet S-125, 126, Grade 5

Newspaper Activities for Skill Reinforcement

1. Prepare index cards with advertisements of single items including prices. Put all of the cards in a box and have students shop for items whose total would be less than \$1.00.
2. Have students complete the student activity sheet by selecting the currency they would use if they bought the items illustrated.

STUDENT ACTIVITY SHEET

Solving Money Problems

Directions:

Choose the currency you would use to pay for one of the items listed below. Now clip and paste other items under five dollars from the newspaper. Choose the currency to pay for each.

SAMPLES:



1⁹⁷

our reg. 2.79
29% OFF

jr. boys' shirts

Striped crews in
polyester/cotton.
Colors may vary
by store. Jr.
boys' sizes.



3⁴⁸

our reg. 5.49

SAVE \$2 ash bat

Little League approved. North-
ern white ash Pro Ring

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pers Inc. for Florida Newspaper In Education Coor-
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